

## Product datasheet for MC223119

### Phldb2 (BC050915) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Phldb2 (BC050915) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Phldb2
Synonyms:	LL5b, LL5beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC050915 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAGAAGATAGCCACATGCAAAAGCAGCTGGAATTCAAAATGGTAGCTTAGAGGAAGGATTTGTGG  
TACGTTCCCTGGAGAACGAGCCCCAAAACATGATGGAGAGCCTAAGCCCGAGGAAATACTCATCAAGTCT  
GAAGTTTAAAGCCAACGGGGACTATTCTGGCTCCTATTTAACCTCTCCCAACCGGTGTCTGCCAAGAGA  
AGCCCTTCTCCAATGGGCACCAGCGTCAGGAGCAGTCCCTCCTGGCCAAAATCCAGGGAAGCAAACAGT  
TCTGCGATGGAATTGATAAAAATATTTCCATGAAACCTCCTATTTCTTTCCTCATTCTGCAGCCTCTCT  
TGGCGGCTATCCTCTGGGAAAGCAGATTTGGATCATTATACTGGTCGAGACAGTGAGAGGTCCACCAGG  
CTCTCAGAGAAGCCTCCCTATTCCAGATACAGCTCTAGGAATAAATCTCATGACAGTGTCTACTTTCTAG  
GGGGGCTGGAAGGAAGAAAAACCTCTGGCTCGCTCCTGACCATGTGGAACGGAAATTCCTTGAGCTGCAC  
TGGCTCGTCACCCATCAGCAGGTCTGGGGCAGCGAGCATGCCTTCAAGTCCAAAGCAAGTCAGGAAGATG  
AACCTTCAGGACCACTCGACACTTCAGCCAGGTTAAGCAGGCACAAGGAGCCGGCTCAGAAAACGTCA  
GTGTGAGAACAAGGAAATACTCAGGGAGCAGTCTGAGTAATATGGGTGCCTACAGCCGATCGTTCCAG  
GTTGTATAAAGCCACAGACAACCCAGATGTCGCCTCTCAGCCTGCCTCAAGAAGTCCCTGGGCAATTCC  
AGAAGAGGTCAGTTAGGAGAAAAGGATCTACCTCATAGCCTAGTGATAGTACAATTACCTTAACCTTT  
CTTCTCTAAGCTCAGGGGCTTCACCTATAAAACCTGTCTGTGAGGGGAAATCCTTACGTAAGCTCCGC  
CCTCAGTGTTCTGCCAGTCTCGTGTGGCTCGGAAGATGCTCCTGGCCTCCACCTCCTCTGATGACTTT  
GATAGGGCTTCACTCAGGGACCAGCCAAAGTATTCTTCTGAGAGCCAGACCGAGTGTCTG  
TGGCCAGGAGGAATTCTTGTGGATCAATGGAGCTTGATGACTCTGATCTGAAAGCCTAAGACAGTC  
GTCAGAAACTCCGACCCGGTCTTCGAGAAAAGGAAAAGTAGCATTAGCTCCATCTCGGGACCGCAGCAG  
CTGATGGATTATACCGAAGACAGAGGGAGGAGAGACTCAGGGAGCAGGAGATGGAGCGACTGGAGCGGC  
AGCGGCTGGAGACCATCCTCAGTCTCTGTGCTGAGTATACAAAGCCTGAAGGTGCGCCGCTGTCCGCTGG  
CACCACGGTGGCTGATGTGCAGAAAATCAACAAGGAGCTTGAGAAGCTGCAGCTGTGGATGAGGAGTCT



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GTGTTTCGAGGACGCTCTGGTGTGCCCGATGCCAGGTACAGGTGCCACCGAAGGGCTCTCTCCAGGATG  
 TTGACGTTGCTGGCTTCGGGAACCTTGGTCACAGTGCCAGCTTCTGGCCCCAGGGGCAGCAGGAGCGA  
 TGAAGTCTTGGTGACCTCACTAGGACGCCCCATCATCTCAGCCGCTTTCTGAAAGCAACCAATGAG  
 TCCTCTACCTCAGTATCCTCCGAAGACCCAGAGGATATAGGTGAGGAACAGAGGACTCAAGAGTTGG  
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 AAATGACCAAAATGGATGAATCTCCAGAGAGTTGGATATGGAATGCGCTCTTTGGATGGAGAACAGAAA  
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 AGCAGCTTGAGCATGAGAGCCGCTAGATGAGGAAAAGGAGAAGTACTCAACAGCTCTGCGGGAGGT  
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 TGCCGCACCGAACAGCTGTCTATTCTGGATTTATGTCTCCTTCCACCCTCTCTCCTTCTGCTCACTGAACC  
 TTCATCAGCCACTTGGCCTGAAGTCATGACTACATCTGTGCTGATCCTTTCCCTTTAAATGACACACCTCCT  
 CCTCTACCAGCTAAGAAACACAGAAGGCAGCAGCCGCAAGAGCAACAGCAGCTTTAGAAGCCTGGAAGAAA  
 GGAAAAAGCAGCACAAGAAGGCCTCTACCTGAGTGACACTCTGCCTCGAAAGAAAACCCCTTCCCT  
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 AGCAATAGCTGTGGCAGTGTGCTCCCTCACTCACTGGCGACCATGACCAAAGACTCTGAGTCTCGGAGGA  
 TGCTCAGAGGTTAATACCAACAGATGAGTGAAGGACAAAGACAGAAACCCGAATTTTACAGCCGCAC  
 AGCATCTGAGTCAAACGTCTACTTGAATAGTTTCCATTACCCAGATCGCAGCTACAAGGATCAGGCCTAT  
 GACACGTTGAGCCTGGACAGCTCTGACAGCATGGAGACCAGCATCTGCTGCTGTTACCCGGACAATATAT  
 CAAGTGCCAGCACATCCAATATTGCCAGAATAGAAGAAATGGAGAGACTCTTGAACAGGCGCACCGGGA  
 GAAGACTCGGCTGCTTGAAGTCCAGGGAACGGGAAATGGAAGCCAAAAACGAGCTCTGGAAGAAGAAAA  
 CGACGCCGGGAAATCCTGAAAAACGATTGCAAGAAGAAACAGCCAGAGGAGGAGGTTAATAGAAAAAG  
 AAGTCAAATAAGAGAGAAAACAAAGGGCACAGGCTCGTCCCTGACTCGTATCTGCCAGTGCAGGAAAGGA  
 AGACTTCGACTTGGGAGTACGTGGAGACTGCAGGCCACAATATTGACACCTGTTTTCATGTGTCAATC  
 ACAGAGAAGACCTGCCGAGGATACCTCATCAAAATGGGTGGGAAAATTAACAGTGGAAAAACGCTGGT  
 TTGTTTTTGACCGGAATAAGCGAACATTTTCTTACTATGCAGACAAGCATTGAGGCTAAATTTGAAAGGCGT  
 GATATACTTTCAAGCCATTGAAGAAGTGTATTATGATCACCTCAAGAACGCTAATAAGAGCCCTAATCCA  
 TTACTCACCTTAGCGTCAAGACACATGACAGAATCTATTACATGGTGGCTCCTTACCAGAGGCCATGC  
 GGATCTGGATGGACGTTATAGTGACTGGAGCAGAAGGATATACCCACTTCTGTTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** BC050915
- Insert Size:** 3909 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [BC050915](#), [AAH50915](#)

**RefSeq Size:** 5380 bp

**RefSeq ORF:** 3908 bp

**Locus ID:** 208177

**Cytogenetics:** 16 B5

**Gene Summary:** Seems to be involved in the assembly of the postsynaptic apparatus. May play a role in acetylcholine receptor (AChR) aggregation in the postsynaptic membrane.[UniProtKB/Swiss-Prot Function]